



STATE OF TENNESSEE
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
JOHNSON CITY ENVIRONMENTAL FIELD OFFICE

2305 SILVERDALE ROAD
JOHNSON CITY, TENNESSEE 37601-2162
(423) 854-5400 STATEWIDE 1-888-891-8332 FAX (423) 854-5401

December 28, 2015

Mr. Ken Childress
Bays Mountain Park
853 Bays Mountain Park Road
Kingsport, Tennessee 37660

RE: **Bays Mountain Park STP**
NPDES Permit #TN0054941
Sullivan County

Dear Mr. Childress:

A Site Visit was conducted at the above referenced facility by personnel from this Division on December 10, 2015. The purpose of the visit was to observe and come to a consensus on what could be tried to help reduce the number of dissolved oxygen violations self-reported to the Division of Water Resources.

One of the observations noted was there is only one area where the sample can be accessed. The access point is directly below the V notch weir and is in an area that does not allow the water to be aerated before it is discharged to the stream. The stream is about 100 feet distant from the V notch weir, and there is about 70 feet in elevation loss from the weir to the stream. The outfall is located in an area that is not safely accessible to sample.

Original plans and specifications from the 1983 installation are to be located to ascertain if the treatment system is exceeding the design capacity flow during the summer months when visitation to the park is at its peak. If flows of waste water are at or exceeding design capacity, plans should be put in place to update the system to meet current conditions.

The first plan of action to increase the dissolved oxygen and decrease the ammonia in the waste water is to install an outdoor aeration pump and a fine air diffuser in the chlorine contact chamber.

If the aeration pump does not increase the amount of dissolved oxygen, the second plan of action is to design a step aeration system. An engineering evaluation of the cascade should be conducted to see if sufficient aeration can be accomplished in the space that is available.

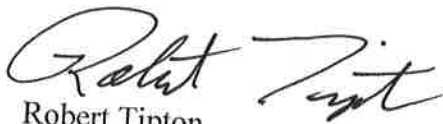
We also discussed the purchase of a dissolved oxygen meter to make sampling faster and more efficient. The Hach dropper method that you are currently using is not an approved method because accuracy of the delivery system may not be assured.

Please also be aware that you will be required to submit all monitoring reports electronically in the future. Enclosed is a copy of the Final NPDES Electronic Reporting Rule Overview.

The Division requests that you develop an action plan and a time schedule for implementation of the aeration pump. The action plan and implementation schedule should be submitted to the Johnson City Environmental Field Office by February 1, 2016. Thank you for your hard work and diligence in helping protect water quality in Tennessee. If I may be of assistance in helping you to increase the amount of dissolved oxygen in the waste water, please do not hesitate to contact me for assistance. If you have any questions concerning this correspondence, please contact me at (423) 854-5457 or via email at Robert.Tipton@tn.gov.

Please also be aware that you will be required to submit all monitoring reports electronically in the future. Enclosed is a copy of the Final NPDES Electronic Reporting Rule Overview.

Sincerely,



Robert Tipton
Environmental Scientist 3
Division of Water Resources
Johnson City Environmental Field Office

RT/130115363

Enclosure

cc: Mr. Bob Culler, Park Naturalist, Bays Mountain Park, 853 Bays Mountain Park Road, Kingsport, Tennessee 37660



TDEC - Division of Water Resources
Johnson City Field Office

ICIS NPDES Facilities Inspection Report

NPDES ID: TN0054941

Facility Data

Facility Site Name: Bays Mountain Park

Address: 853 BAYS MT. PARK RD, Kingsport, Tennessee 37660

Permit Eff. Date: 07/01/2013

Permit Exp Date: 05/31/2018

SIC Code:

Compliance Monitoring Activity Name: Follow-Up

Compliance Monitoring Information

* If Bio Monitoring is selected above, select the method used:

Compliance Monitoring Activity

Compliance Monitoring Dates/Times

Entry Date/Time (mm/dd/yyyy hh:mm): 12/10/2015

Exit Date/Time (mm/dd/yyyy hh:mm): 12/10/2015

Facility Representatives

Bob Culler, Park Naturalist, 423-224-2437

On-Site Representative(s) Title, Phone Number

John Campbell, City Manager, 423-229-9309

Responsible Official(s), Title, Phone Number

Statute and Section Information

Federal Statute: CWA - Clean Water Act

Programs: NPDES- Base Program (Limits, Reporting, & Schedule)

State Statute: Tennessee Water Quality Control Act

Compliance Monitoring Reason: Core Program

Compliance Monitoring Agency Type: State

Did EPA assist/ Inspection? No

Inspection Type: State

Lead Agency: State

Agency Name: TDEC - DWR

Time Physically conducting activity: Days: 1

Hours:

Compliance Monitoring Action Outcome: Under Review

Compliance Monitoring Rating Code: Satisfactory

If Joint Inspection, what was the purpose of the other party?

Areas Evaluated During Inspection (Check only those areas evaluated)

☐ Permit

☐ Records / Records

☒ Facility Site Review

☒ Effluent / Receiving Waters

☐ Flow Measurement

☐ Self - Compliance Program

☐ Compliance Schedule

☐ Laboratory

☒ Operations & Maintenance

☐ Sludge Handling / Disposal

☐ Pretreatment

☐ Pollution Prevention

☐ Storm Water

☐ Combined Sewer Overflow

☐ Sanitary Sewer Overflow

Compliance Monitoring Summary

EPA and State Representatives

Inspector's Signature

TDEC, Johnson City Field Office, 423-854-5457

12/29/2015

Agency / Office / Phone

Date

Manager's Signature

TDEC, Johnson City Field Office, 423-854-5462

12/29/2015

Agency / Office / Phone

Date

(Note: This form can only be printed to an XPS document, then saved for later use.)